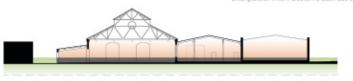
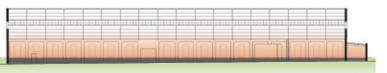
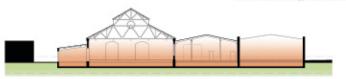
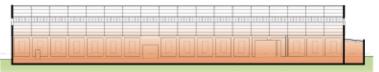


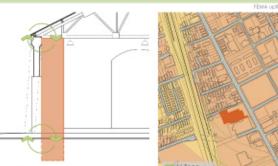
Building section which indicates the Base Flood Bevotion Structural











Structural diagram i flustrating seismic force



Building Issues:

For the Trolley Barn to be safe for future users, it will need to be upgraded to meet modern building codes

To be safe, the Trolley Barn should be brought up to the standards of modern building codes. For planning purposes, the most signifigant of these are earhtquake resistance and flood-

- •To resist the forces induced by a mild earthquake, structural buttresses should be constructed along the exterior walls of the Trolley Barn and Artifact.
- Additional bracing would be required in the Tolley Barn's trusses, especially at each end.

FEMA

- · Sitting in an AE-13 zone, the property's base flood elevation (BFE) is 13'-0" above mean sea level. Elevations below the BFE are subject to a 1% annual chance of flooding; 26% over 30 years.
- If the renovation costs exceed 50% of its viaue. the Trolley Barn would have to meet modern FEMA regulations.
- · FEMA options include:
- >seek a variance justified by the buildings historic status and accept athe occasional flood damage and increased insurance premiums
- >raise the floor to the base flood elevation
- >floodproof inside the building; or
- >floodproof outside the building and lower the floor to allow for a full grade level development plus mezzanine.